### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 20 January 2005 (20.01.2005)

**PCT** 

## (10) International Publication Number WO 2005/006217 A1

(51) International Patent Classification<sup>7</sup>: H04M 15/00 G06F 17/30,

(21) International Application Number:

PCT/FI2004/000425

(22) International Filing Date:

2 July 2004 (02.07.2004)

(25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data: 03396071.7

10 July 2003 (10.07.2003) EI

- (71) Applicant (for all designated States except US): COMP-TEL CORPORATION [FI/FI]; Lapinrinne 3, FI-00100 Helsinki (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ESKELINEN, Eero [FI/FI]; Laukkipääntie 9 D, FI-00780 Helsinki (FI).

- (74) Agent: SEPPO LAINE OY; Itämerenkatu 3 B, FI-00180 Helsinki (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: METHOD AND COMPUTER PROGRAM PRODUCT FOR CLASSIFICATION AND LINKING DATA RECORDS, AND A CLASSIFICATION SYSTEM

Field Name	Length	Type V=Char N=Number	Definition
EXID	8	V	101
IMSI	9	N	102
TECH	8	V	103
SDATE	14	Ÿ	104
EDATE	14	V	105
DURAT	9	N	106
ANSW	1	N	107
ASUB	32	v	108
BSUB	32	v	109
CSUB	32	v	110
VOLUME	9	N	111
COUNTRY	5	V	112
OPERAT	5	V	113
PRICE	9	N	114
CHARGE	9	N	115
LF	1	N	116

FIN123 011223344DXF7		20030506113045200305061140450000006001			
EXID	IMSI	TECH	SDATE	BDATE	DURAT ANSW
35831012356789		+35832098765431			
ASUB		BSUB			
3583309	3765432		2000005	15FIN ,00000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
CSOB			VOLUME COUNTRY PRICE CHARGE LI		

(57) Abstract: This publication discloses a method for classifying and selecting records. This publication also discloses a classification and selection system according to the invention and a computer program product for classifying and selecting records. In the method according to the invention, a classification structure corresponding to a read field is selected (1001), a reference value according to the value according to the value according to the value contained in the field is searched (1004) from the selected classification structure, at least one class according to the conditions of the classification structure corresponding to the reference value is read (1007) from the selected classification structure, and the record is selected to the class read from the classification structure. classification and selection system and computer program product according to the invention are suitable to the classification and selection of records.

### WO 2005/006217 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### Published:

with international search report